AAS-T

Anti-Aircraft System Thermal Upgrade

Thermal imaging solution for anti-aircraft systems and weapon stations using 3-5µm compact TI camera with continuous optical zoom

General

- Maximizes the potential of existing AA systems and weapon stations
- Different levels of integration: from clip-on solutions to full system upgrade
- Relevant for AA systems such as: Zu-23(2), Shilka, L-70 and more
- Allows targeting at all times and in most weather conditions

Thermal Imaging Camera Advantages

- Compact ruggedized construction
- X8 continuous optical zoom (up to X4 digital zoom)
- Telescope X2/X3 (optional)
- Advanced, grounded TI technology
- Remote control capability (optional remote control unit)
- Easy integration with host weapon system
- Designed and tested IAW MIL-STD-810F

Elbit Systems
Electro-optics - Elop

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Technical Data

Thermal Imager

Spectral band	3-5µm
Entrance aperture	50 mm
Focal length	220mm/27.5mm
Fields of view	
- NFOV	2.5º x 2º
- WFOV	20º x 16º
Optical zoom	X8 (continuous)
E-zoom	Up to X4
Detector	InSb FPA
Cooler	Stirling closed cycle
Video output	CCIR or RS170
Communication port	RS422
Power	<24 W
Environmental conditions	IAW MIL-STD-810F
Operating temperature	-30ºC to +55ºC

5" LCD Monitor

Resolution	640 x 480 VGA
Brightness range	4 – 500 nits
Contrast ratio	500:1
Interface	Composite video (PAL/NTSC)
Wide range input	12-18 VDC
Environmental conditions	
- IP rating	IP67
- Operating temperature	-20ºC to +70ºC
- EMI	MIL-STD-461E
Max. power consumption	7 W

LED enhanced backlight, low consumption

Control Panel

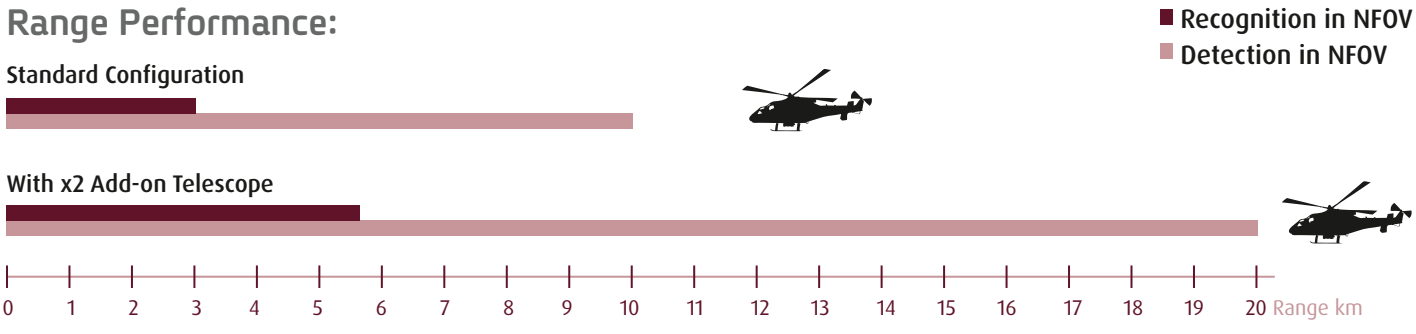
Dimensions (mm)	115 (H); 152.84 (W); 87.27 (D)
Compression	
- Codec	ZORAN
- Method	JPEG
- Comp. ratio	From 4:1 to 20:1
Video input/output	525/60 (NTSC) or 625/60 (PAL)
Output resolution	550 TV lines (at 5:1 compression)
Software	Optional control interface
USB port	2.0

USB download/secure file capability
Compatible with wide range of CCD & thermal cameras
Time-lapse recording
Loop recording

Further Upgrade Options

- RF Communication
- X2/x3 telescope

Range Performance:



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